that operation is by a party that is unauthorized for that operation, and executes processing to stop the operation related to that input/output data (S08). When the attributes do not correspond, the program determines whether the acquired input/output data corresponds to general rules (S07). When the data corresponds, the program determines that the operation is an invalid operation, and executes processing to stop the operation related to that input/output data (S08). When the data does not correspond, the program determines that the operation is proper, and the operation related to that input/output data is executed as is.

WHAT IS CLAIMED IS:

1. An invalidity-monitoring program for monitoring invalid data, which causes a computer to execute an invalid operation, and causes said computer to execute:

a step of acquiring input/output data that is input or output over a network that is connected to said computer, or over an externally connected bus that connects said computer with an external device;

a step of identifying ID information from said input/output data for identifying a user;

a step of acquiring at least part of the attribute data corresponding to said ID information from a user-information-storage unit that stores attribute information for all users having authorization to use said computer;

a step of referencing a determination-rule-storage unit that stores rules for determining whether said input/output data is invalid data, and determining whether said input/output data is invalid data; and

a step of stopping execution by said input/output data when it is determined in said invalid-data-determination step that said input/output data is invalid data; wherein

said determination-rule-storage unit stores determination rules that correspond to user attributes; and

in said step of determining whether said input/output data is invalid

data, references said determination rules that correspond to attribute information acquired in said step of acquiring attribute information to determine whether said input/output data is invalid.

2. The invalidity-monitoring program of claim 1 that causes said computer to execute:

a step of referencing said user-information-storage unit and determining whether the user corresponding to said ID information has authorization to use said computer; and

a step of stopping operation by said input/output data when it is determined in said step of determining authorization that there is no authorization to use said computer; wherein

said step of determining authorization is executed before said step of determining whether said input/output data is invalid data; and

when it is determined in said step of determining authorization that there is no authorization to use said computer, said program causes said computer to not execute at least one of the following; said step of acquiring attribute information or said step of determining whether said input/output data is invalid data.

3. The invalidity-monitoring program of claim 1 that causes said computer to execute:

a step of referencing a profile-storage unit that stores log data related to said input/output data as profiles for each user, and comparing input/output data that was acquired in said data-acquisition step with the normal operation trend of said user to determine whether operation is unusual; and

stopping the operation executed by said input/output data in said step of stopping operation executed by said input/output data also when it is determined in said step of determining whether operation is unusual that operation is unusual.

4. The invalidity-monitoring program of any one of the claims 1 to 3 that executes a process of interrupting a session in said step of stopping the operation executed by said input/output data when said input/output data is acquired from a network in said step of acquiring input/output data.

5. The invalidity-monitoring program of any one of the claims 1 to 3 that stops the process of executing a driver in the step of stopping the operation executed by said input/output data when said input/output data is acquired from an externally connected bus in said step of acquiring input/output data.

6. An invalidity-monitoring program for monitoring invalid data, which causes a computer to execute an invalid operation, and causes said computer to execute:

a step of acquiring input/output data that is input or output over a network that is connected to said computer, or over an externally connected bus that connects said computer with an external device;

a step of identifying ID information from said input/output data for identifying a user;

a step of acquiring at least part of the attribute data corresponding to said ID information from a user-information-storage unit that stores attribute information for all users having authorization to use said computer;

a step of referencing a determination-rule-storage unit that stores rules for determining whether said input/output data is invalid data, and determining whether said input/output data is invalid data; and

a step of notifying the terminal being operated by said user or administrator that the operation being executed by said input/output data is an invalid operation when it is determined in said step of determining whether said input/output data is invalid that said input/output data is invalid data; wherein

said determination-rule-storage unit stores determination rules that

correspond to user attributes; and

in said step of determining whether said input/output data is invalid data, references said determination rules that correspond to attribute information acquired in said step of acquiring attribute information to determine whether said input/output data is invalid data.


7. An invalidity-monitoring method for monitoring invalid data, which causes a computer to execute an invalid operation, comprising:

a step whereby said computer acquires input/output data that is input or output over a network that is connected to said computer, or over an externally connected bus that connects said computer with an external device;

a step whereby said computer identifies ID information from said input/output data for identifying a user;

a step whereby said computer acquires at least part of the attribute data corresponding to said ID information from a user-information-storage unit that stores attribute information for all users having authorization to use said computer;

a step whereby said computer references a determination-rule-storage unit that stores rules for determining whether said input/output data is invalid data, and determines whether said input/output data is invalid data; and

a step whereby said computer stops execution by said input/output data when it is determined in said invalid-data-determination step that said input/output data is invalid data; wherein

said determination-rule-storage unit stores determination rules that correspond to user attributes; and

in said step of determining whether said input/output data is invalid data, references said determination rules that correspond to attribute information acquired in said step of acquiring attribute information to determine whether said input/output data is invalid.

8. An invalidity-monitoring method for monitoring invalid data, which causes a computer to execute an invalid operation, comprising:

a step whereby said computer acquires input/output data that is input or output over a network that is connected to said computer, or over an externally connected bus that connects said computer with an external device;

a step whereby said computer identifies ID information from said input/output data for identifying a user;

a step whereby said computer acquires at least part of the attribute data corresponding to said ID information from a user-information-storage unit that stores attribute information for all users having authorization to use said computer;

a step whereby said computer references a determination-rule-storage unit that stores rules for determining whether said input/output data is invalid data, and determines whether said input/output data is invalid data; and

a step whereby said computer notifies the terminal being operated by said user or administrator that the operation being executed by said input/output data is an invalid operation when it is determined in said step of determining whether said input/output data is invalid that said input/output data is invalid data; wherein

said determination-rule-storage unit stores determination rules that correspond to user attributes; and

in said step of determining whether said input/output data is invalid data, references said determination rules that correspond to attribute information acquired in said step of acquiring attribute information to determine whether said input/output data is invalid.


9. An invalidity-monitoring system for monitoring invalid data, which causes a computer to execute an invalid operation, and comprising:

a data-acquisition means for acquiring input/output data that is input or output over a network that is connected to said computer, or over an

externally connected bus that connects said computer with an external device;

an ID-information-identification means for identifying ID information from said input/output data for identifying a user;

a user-information-storage means for storing attribute information for all users having authorization to use said computer;

an attribute-information acquisition means for acquiring at least part of the attribute data corresponding to said ID information from said user-information-storage means;

a determination-rule-storage means for storing rules for determining whether said input/output data is invalid data;

an invalid-data-determination means for referencing said determination-rule-storage means, and determining whether said input/output data is invalid data; and

a stoppage means for stopping execution by said input/output data when it is determined by said invalid-data-determination means that said input/output data is invalid data; wherein

said determination-rule-storage means stores determination rules that correspond to user attributes; and

said invalid-data-determination means references said determination rules that correspond to attribute information acquired by said attribute-information-acquisition means to determine whether said input/output data is invalid.

10. The invalidity-monitoring system of claim 9 further comprising:

a use-authorization-determination means for referencing said user-information-storage means and determining whether the user corresponding to said ID information has authorization to use said computer; and wherein

said stoppage means also stops operation executed by said input/output data when it is determined by said use-authorization-determination means that there is no authorization to use said computer;

said use-authorization-determination means is activated before said invalid-data-determination means; and

when it is determined by said use-authorization-determination means that there is no authorization to use said computer, at least one of the following; said attribute-information-acquisition means or said invalid-data-determination means is not executed.

11. The invalidity-monitoring system of claim 9 further comprising:

a profile-storage means for storing log data related to said input/output data as profiles for each user; and

an unusual-operation-determination means for referencing said profile-storage means and comparing input/output data that was acquired by said data-acquisition means with the normal operation trend of said user to determine whether operation is unusual; wherein

said stoppage means also stops the operation executed by said input/output data when it is determined by said unusual-operation-determination means that operation is unusual.

12. The invalidity-monitoring system of any one of the claims 9 to 11 wherein

said stoppage means executes a process of interrupting a session when said data-acquisition means acquired said input/output data from a network.

13. The invalidity-monitoring system of any one of the claims 9 to 11 wherein

said stoppage means stops the process of executing a driver when said data-acquisition means acquired said input/output data from an externally connected bus.

14. An invalidity-monitoring system for monitoring invalid data, which causes a computer to execute an invalid operation, and comprising:

a data-acquisition means for acquiring input/output data that is input